

WHAT IS CLAIMED IS:

1. A display device in which an element layer having electrodes and a photo-functional layer is formed on a substrate,
 wherein the substrate is made of an irreversible elongate material, and
 wherein the element layer is made of an elastic material and has an adhesive property to the substrate.
2. A display device in which an element layer having electrodes and a photo-functional layer is formed on a substrate,
 wherein the substrate is made of a thermal-shrinking material exhibiting shrinkage in response to thermal energy or a photo-shrinking material exhibiting shrinkage in response to optical energy, and
 wherein the element layer is made of an elastic material and has an adhesive property to the substrate.
3. A display device in which an element layer having electrodes and a photo-functional layer is formed on a substrate,
 wherein both the substrate and the element layer are made of an elastic material, and
 wherein the element layer has an adhesive property to the substrate.
4. The display device according to Claim 3, wherein the substrate is made of an autogenous shrinkable elastic material.
5. The display device according to Claim 3, wherein the substrate is made of an elastic material exhibiting irreversibility in response to thermal energy or optical energy.
6. The display device according to Claim 1, wherein wires connected to the electrodes are formed by dispersing metal particulates in a conductive polymer.
7. An electronic apparatus comprising the display device according to Claim 1, and driving control means for driving and controlling the display device.
8. A method of manufacturing a display device in which an element layer having electrodes and a photo-functional layer is formed on a substrate, the substrate being made of an irreversible elongate material, and the element layer being made of an elastic material and having an adhesive property to the substrate, the method comprising:
 an element layer forming step of forming the element layer on the substrate;
 and
 an extension step of extending the substrate so as to make the display device be a desired size, after the element layer forming step.

9. The method of manufacturing a display device, wherein the extension step is performed by using an X-axis direction extension mechanism for extending the substrate in an X-axis direction and a Y-axis direction extension mechanism for extending the substrate in a Y-axis direction, and the substrate is extended simultaneously in the two-dimensional directions by using an extension mechanism in which the X-axis direction extension mechanism and the Y-axis mechanism are coupled to each other.

10. The method of manufacturing a display device according to Claim 8, wherein the display device is a liquid crystal display device, and the method further comprises a liquid crystal injecting step of injecting a liquid crystal into the element layer after the element layer forming step, and

wherein in the extension step, the substrate is extended after the liquid crystal injecting step.

11. The method of manufacturing a display device according to Claim 8, the method further comprising:

a sealing-layer forming step of forming a sealing layer for sealing the substrate before the extension step, the sealing layer being made of thermosetting material which is cured in response to thermal energy or light curable material which is cured in response to optical energy; and

a sealing-layer curing step of curing the sealing layer after the extension step.

12. A method of manufacturing a display device in which an element layer having electrodes and a photo-functional layer is formed on a substrate, the substrate is made of a thermal-shrinking material exhibiting shrinkage in response to thermal energy, and the element layer is made of an elastic material and has an adhesive property to the substrate, the method comprising:

an element layer forming step of forming the element layer on the substrate;
and

a shrinking step of shrinking the substrate in response to thermal energy after the element layer forming step.

13. A method of manufacturing a display device in which an element layer having electrodes and a photo-functional layer is formed on a substrate, the substrate being made of optical-shrinking material exhibiting shrinkage in response to optical energy, and the element layer being made of an elastic material and having an adhesive property to the substrate, the method comprising:

an element layer forming step of forming the element layer on the substrate;
and

a shrinking step of shrinking the substrate by the optical energy after the element layer forming step.

14. A method of manufacturing a display device in which an element layer having electrodes and a photo-functional layer is formed on a substrate, both the substrate and the element layer are made of an elastic material, and the element layer has an adhesive property to the substrate, the method comprising:

a pre-extension step of extending the substrate before forming the element layer;

an element layer forming step of forming the element layer on the substrate after the pre-extension step; and

a shrinking step of shrinking the substrate so as to make the display device be a desired size, after the element layer forming step.

15. The method of manufacturing a display device according to Claim 14, wherein the substrate is made of an autogenous shrinkable elastic material,

wherein in the pre-extension step, the substrate is fixed to an extended state by using an extension mechanism for extending the substrate in an X-axis direction and/or a Y-axis direction, and

wherein in the shrinking step, the extension mechanism is released.

16. The method of manufacturing a display device according to Claim 14, wherein the substrate is made of an elastic material exhibiting irreversibility in response to thermal energy, and

wherein in the shrinking step, the thermal energy is applied to the substrate at the same time as shrinking the substrate.

17. The method of manufacturing a display device according to Claim 14, the method further comprising a thermal curing step of curing the substrate in response to thermal energy after the shrinking step.

18. The method of manufacturing a display device according to Claim 14, the method further comprising photo-curing step of curing the substrate in response to optical energy after the shrinking step.

19. The method of manufacturing a display device according to Claim 12, the method further comprising:

a sealing-layer forming step of forming a sealing layer for sealing the substrate before the shrinking step, the sealing layer being made of a thermosetting material which is cured in response to thermal energy, or a light curable material which is cured in response to optical energy; and

a sealing-layer curing step of curing the sealing layer after the shrinking step.

20. The method of manufacturing a display device according to Claim 11, wherein the display device is an active panel and has active elements made of an elastic material, and

wherein the method further comprises an active element forming step of forming the active elements on the substrate.

21. The method of manufacturing a display device according to Claim 20, wherein at least one of the electrodes, the photo-functional layer, the sealing layer, and the active elements is formed using an inkjet method.